

FILE NOTATION*Deleted and abandoned*
3-1-78

Entered in NID File
Location Map Pinned
Card Indexed
✓

Checked by Chief
Approval Letter
Disapproval Letter

COMPLETION DATA:

Date Well Completed *3-31-78*

Location Inspected

OW..... WW..... TA.....
GW..... OS..... PA.✓.....

Bond released

State or Fee Land

LOGS FILED

Driller's Log.....✓.....

Electric Logs (No.) ✓.....

E..... I..... Dual I Lat..... GR-N..... Micro.....

WNC Sonic GR..... Lat..... MI-L..... Sonic.....

CBLog..... CCLog..... Others.....

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☐

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

QUESTA PETROLEUM INC.

3. ADDRESS OF OPERATOR

Post Office Box 451, Albuquerque, New Mexico 87103

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1980' FNL & 1890' FWL

Sec. 17, T29S, R11E,

Wayne Co., Utah

At proposed prod. zone
Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Seven miles south southwest of Hanksville, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

1890'

16. NO. OF ACRES IN LEASE

2560

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40 acres

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

None

19. PROPOSED DEPTH

4 000 feet

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4700 ungraded ground

22. APPROX. DATE WORK WILL START*

November 1, 1977

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8" new	32.30# H-40	200'	Cement to surface
8 3/4"	7" new	20# K-55	3700'	150 sks

Set 9 5/8" casing at approximately 250', circulate cement to surface. Test BOP and surface casing to 500# for 30" before drilling out. WOC 24 hours.

Drill 8 3/4" hole to approximately 4,000', testing all significant shows of oil or gas. Set 7" casing at approximately 3,700' and drill with compressed air to total depth (4,000' f), if well is structurally favorable.

Complete open hole or set 4 1/2" liner as required and acidize as need is indicated.

In the event the well is dry, necessary approval will be obtained from the USGS before plugging and abandonment.

See attached page for additional information.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED Frank D. Gorham, Jr.TITLE PresidentDATE Sept. 22, 1977

(This space for Federal or State office use)

PERMIT NO. _____

APPROVAL DATE _____

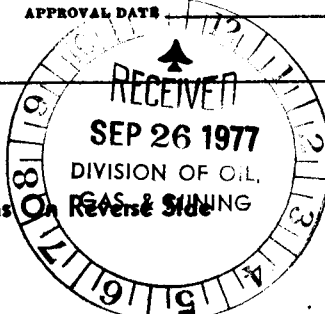
APPROVED BY _____

TITLE _____

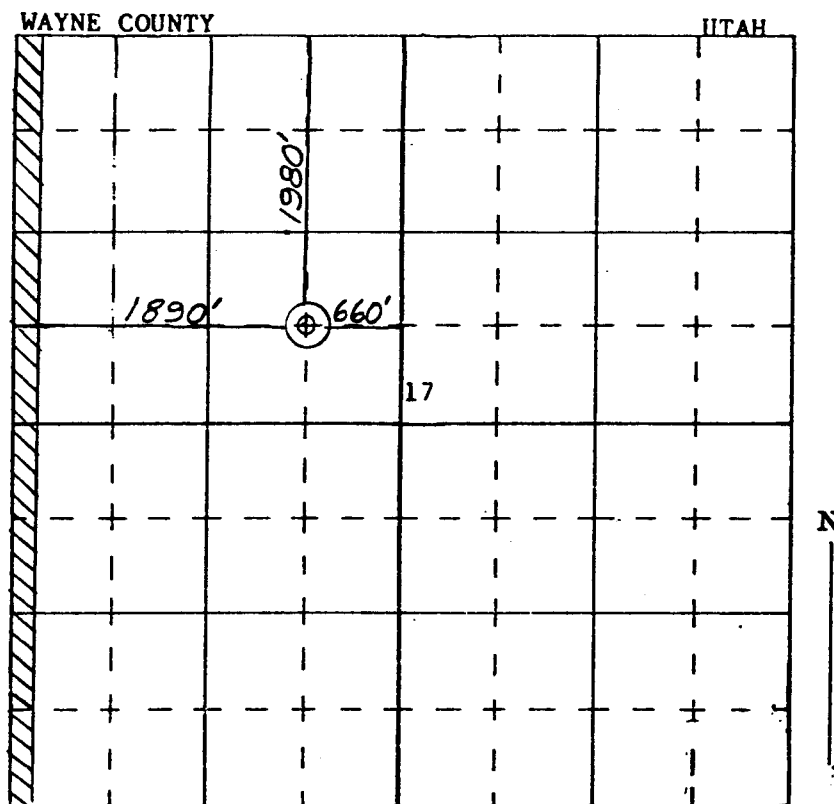
DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side



17
COMPANY QUESTA PETROLEUM, INC.
LEASE HENRY BASIN FEDERAL WELL NO. 17-6
SEC. 17, T. 29 S., R. 11 E., S.L.M.
LOCATION 1980 FEET FROM THE NORTH LINE and
1890 FEET FROM THE WEST LINE.
ELEVATION 4700 UNGRADED GROUND.



SCALE—4 INCHES EQUALS 1 MILE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTE OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPER-
VISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

SEAL:

James P. Leese
Registered Land Surveyor,
James P. Leese
Utah Reg. # 1472

Exhibit "A"

SURVEYED 6 September, 1977

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

** FILE NOTATIONS **

Date:

Sept. 26

Operator:

Questa Petroleum

Well No:

Henry Basin Fed. 17-6

Location:

Sec. 24 T. 29S R. 11E County: Wayne

File Prepared:

/

Entered on N.I.D.:

/

Card Indexed:

/

Completion Sheet:

/

API NUMBER: 43-055-30024

CHECKED BY:

Administrative Assistant

AW

Remarks:

No other work in township -

Petroleum Engineer

Ch La

Remarks:

Director

Remarks:

INCLUDE WITHIN APPROVAL LETTER:

Bond Required:

Yes

Survey Plat Required:

/

Order No.

/

Surface Casing Change

/

to

Rule C-3(c), Topographic exception/company owns or controls acreage
within a 660' radius of proposed site /

O.K. Rule C-3

/

O.K. In

Unit

/

Other:

/ Letter Written/Approved

September 27, 1977

Questa Petroleum Company
Box 451
Albuquerque, New Mexico 87103

Re: Well No. Henry Basin Federal 17-6
Sec. 17, T. 29 S, R. 11 E,
Wayne County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rule of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

PATRICK L. DRISCOLL - Chief Petroleum Engineer
HOME: 582-7247
OFFICE: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

Further, it is requested that this office be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-055-30024.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
Director

cc: U.S. Geological Survey

CIRCULATE TO:
DIRECTOR
PETROLEUM ENGINEER
MINE COORDINATOR
ADMINISTRATIVE ASSISTANT
ALL

RETURN TO K.W.
FOR PLANS



November 21, 1977

Mr. E. W. Guynn, District Engineer
United States Geological Survey
8440 Federal Building
Salt Lake City, Utah 84318

Dear Mr. Guynn:

Re: Questa Petroleum No. 17-6 Henry Basin Federal
SE/4 NW/4 Section 17, T29S, R11E
Wayne County, Utah

On November 18, 1977, a representative of Questa Petroleum Inc. and members of the BLM and the USGS visited the above-captioned proposed location.

It was agreed that the orientation of the pad should be modified as shown on the enclosed revised Exhibit "C" to the Multi-Point Surface Use and Operations Plan initially submitted.

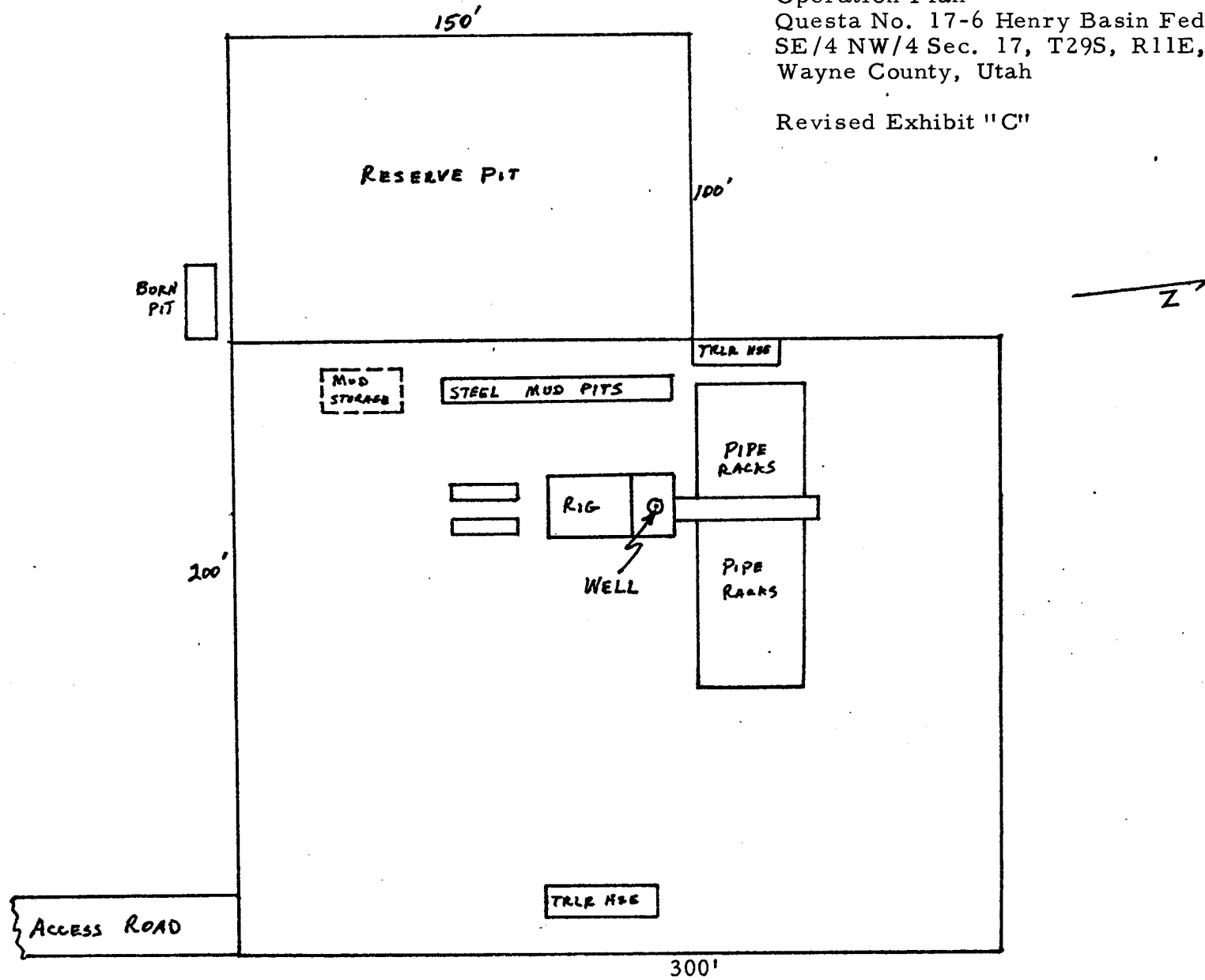
Very truly yours,

Frank D. Gorham, Jr.
President

FDGJr:t
Enclosures
cc Mr. Cleon B. Feight, Director
Division of Oil, Gas, and Mining
State of Utah

QUESTA PETROLEUM INC.
Multi-Point Surface Use and
Operation Plan
Questa No. 17-6 Henry Basin Federal
SE/4 NW/4 Sec. 17, T29S, R11E, SLM
Wayne County, Utah

Revised Exhibit "C"



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

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WELL ☐GAS
WELL ☐

OTHER

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ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

QUESTA PETROLEUM INC.

3. ADDRESS OF OPERATOR

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Wayne Co., UtahAt proposed prod. zone
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PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

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TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

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4 000 feet

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November 1, 1977 -

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Complete open hole or set 4 1/2" liner as required and acidize as need is indicated.

In the event the well is dry, necessary approval will be obtained from the USGS before plugging and abandonment.

See attached page for additional information.

NOTICE OF APPROVAL

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED Frank D. Gorham, Jr.TITLE PresidentDATE Sept. 22, 1977

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE APPROVED BY E. J. [Signature]TITLE DISTRICT ENGINEERDATE DEC 08 1977

CONDITIONS OF APPROVAL, IF ANY:

State of Utah, Department of Natural Resources
Division of Oil, Gas, and Mining
1588 West North Temple
Salt Lake City, Utah 84116

*See Instructions On Reverse Side

QUESTA PETROLEUM INC.

Additional Information
Application for Permit to Drill
Questa No. 17-6 Henry Basin Federal
SE/4 NW/4 Section 17, T29S, R11E, SLM
Wayne County, Utah

Drilling Bond: \$25,000 drilling bond filed with Federal Lease U 27150.

Surface Formation: Morrison formation.

Estimated Top Geologic Markers:

Summerville - Curtis	416'
Entrada	679'
Chinle	2,925'
Moenkopi	3,265'
Sinbad-Kaibab	3,720'
White Rim	3,800'
Total depth	4,000'

Possible Oil and/or Gas: 3,500' - 4,000'

Blowout Preventer:

Double ram, 900 series, hydraulic (see plat marked Exhibit "B").
Preventer will be functionally tested daily; pressure test on installation
and prior to drilling out on each casing string.

Circulating Medium:

Fresh water gel mud. Mud weight program because of anticipated abnormally low formation pressures to be kept at 8 to 9# under surface casing. Similar mud weight below seven-inch intermediate casing if run or air with surface drilling head and blowie lines.

Drill Stem Testing:

Drill stem tests may be run in the Moenkopi, Sinbad-Kaibab, and White Rim formations dependent upon sample shows.

Electric Logging:

Electric logs to be run from under surface casing to total depth.

Coring: None planned.

Abnormal Pressures or Potential Hazards:

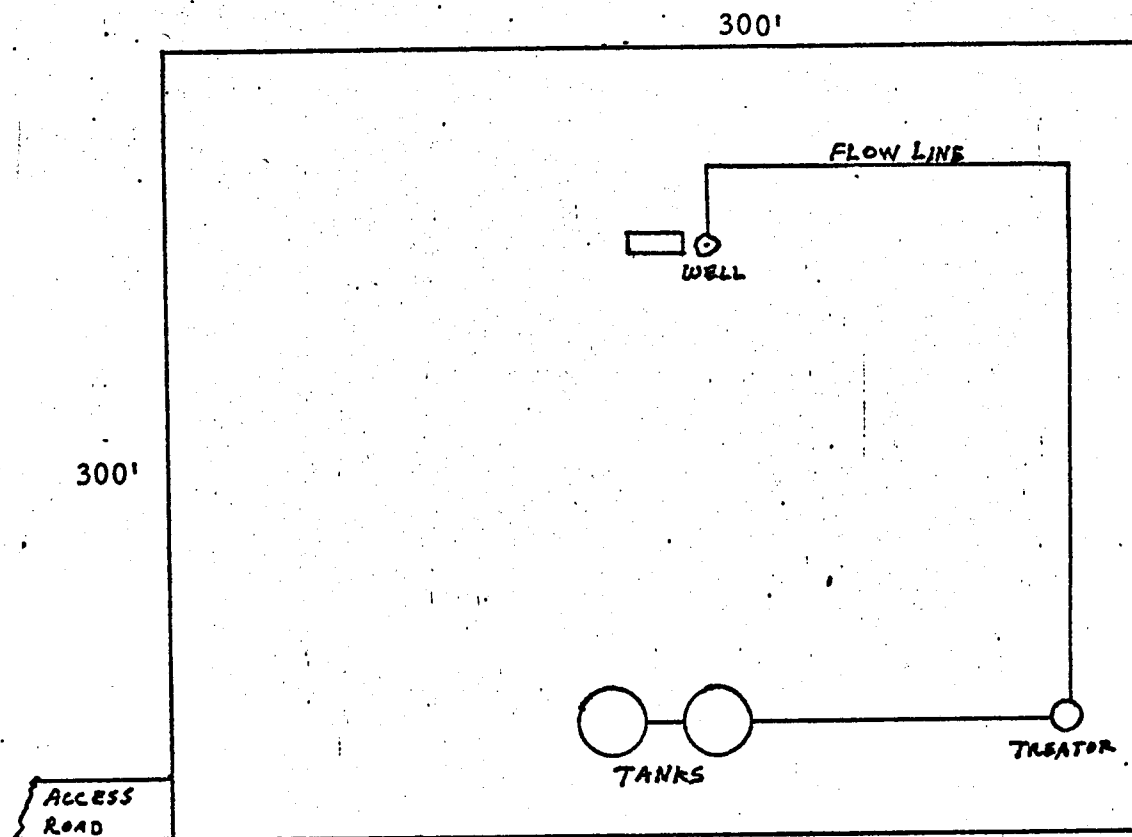
None anticipated.

Anticipated Starting Date and Duration:

November 1, 1977 - twenty days

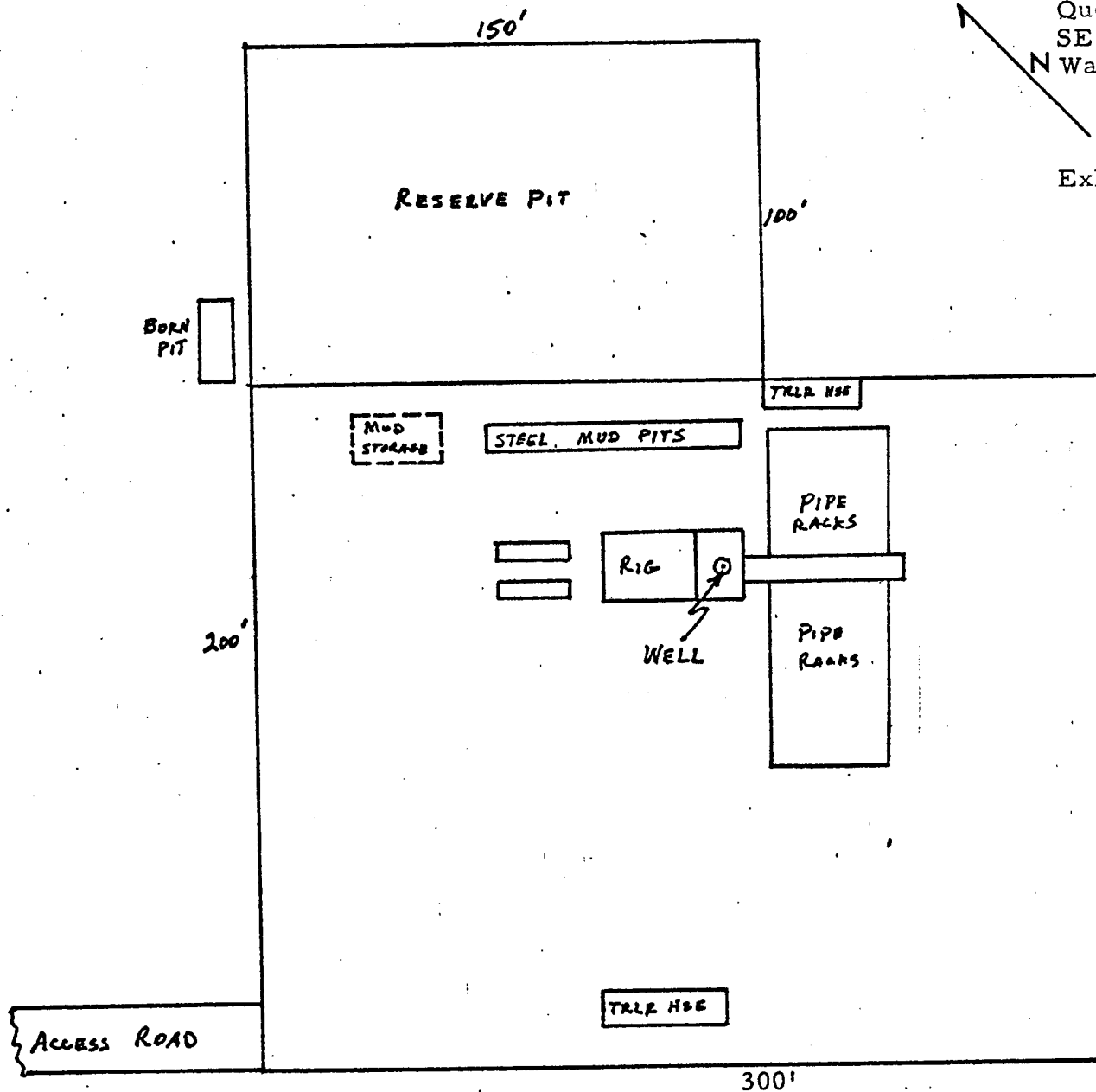
QUESTA PETROLEUM INC.
Multi-Point Surface Use and Operations Plan
Questa No. 17-6 Henry Basin Federal
SE/4 NW/4 Section 17, T29S, R11E, SLM
Wayne County, Utah

Exhibit "B"



QUESTA PETROLEUM INC.
Multi-Point Surface Use and
Operation Plan
Questa No. 17-6 Henry Basin Federal
SE/4 NW/4 Sec. 17, T29S, R11E, SLM
Wayne County, Utah

Exhibit "C"



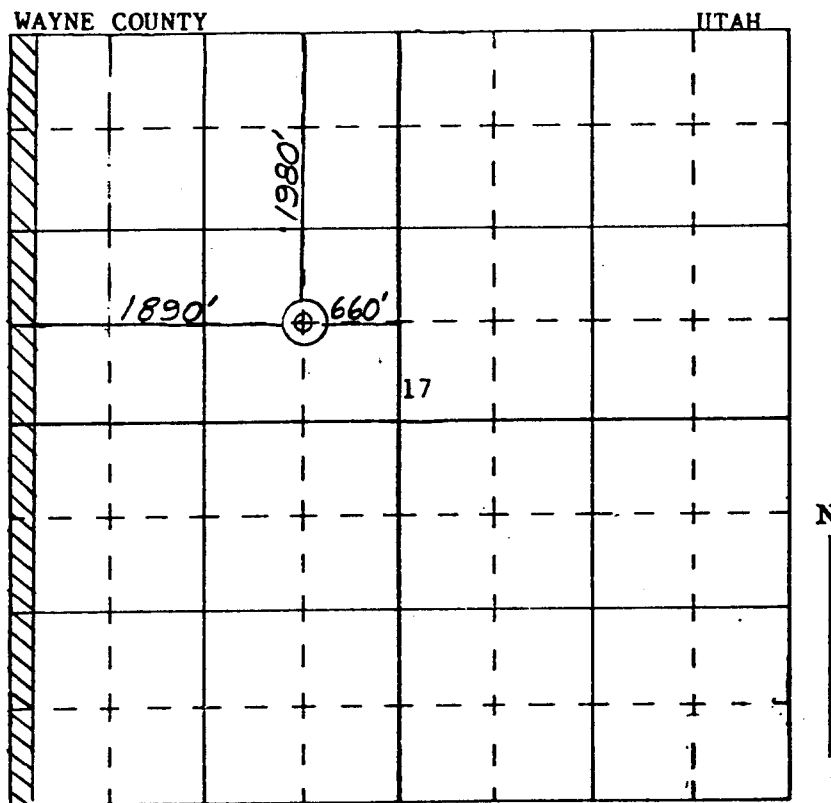
COMPANY QUESTA PETROLEUM, INC.

LEASE HENRY BASIN FEDERAL WELL NO. 17-6

SEC. 17, T. 29 S., R. 11 E., S.L.M.

LOCATION 1980 FEET FROM THE NORTH LINE and
1890 FEET FROM THE WEST LINE.

ELEVATION 4700 UNGRADED GROUND.



SCALE—4 INCHES EQUALS 1 MILE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTE OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPER-
VISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

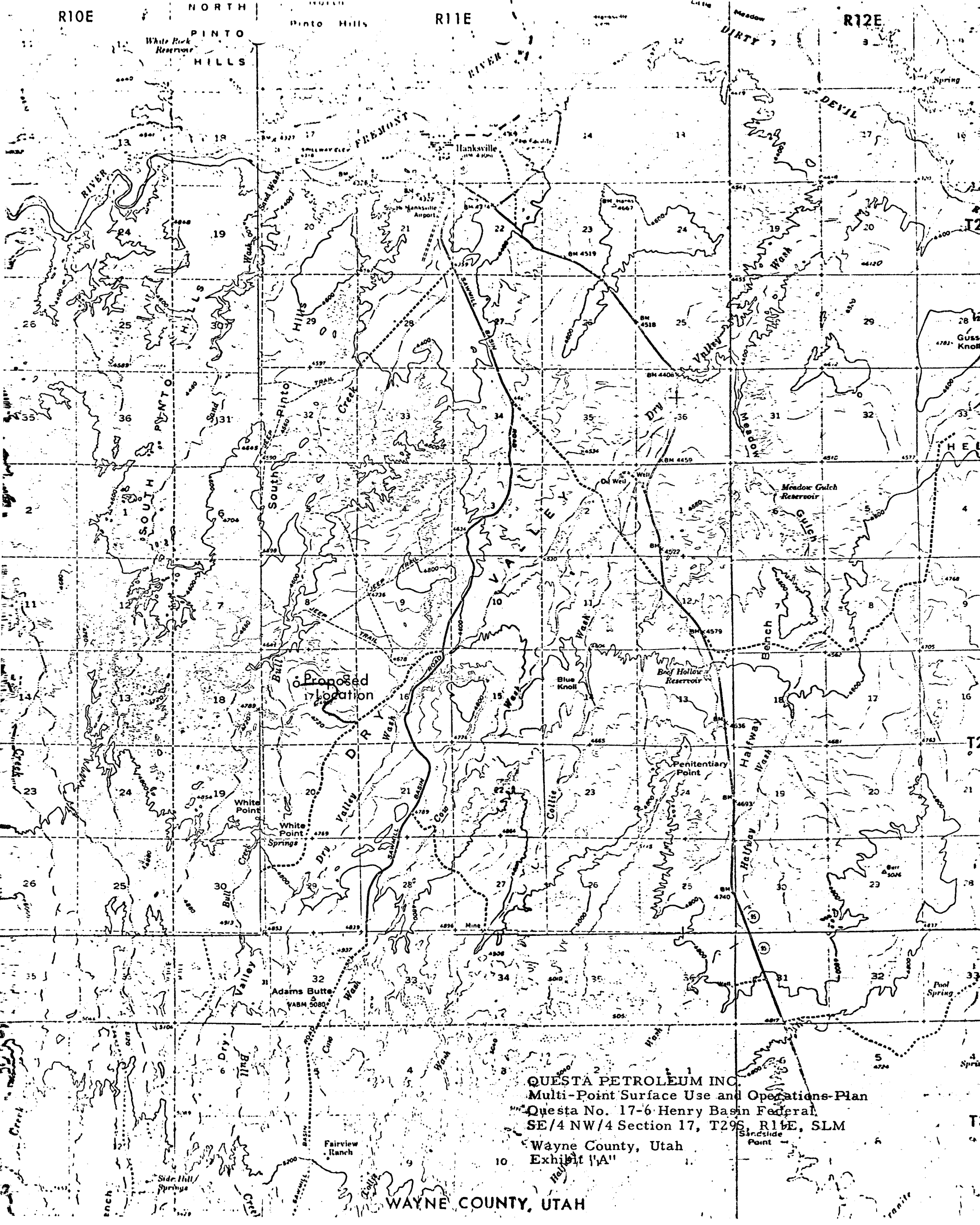
SEAL:

James P. Lease
Registered Land Surveyor,
James P. Lease
Utah Reg. # 1472

Exhibit "A"

SURVEYED 6 September, 1977

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

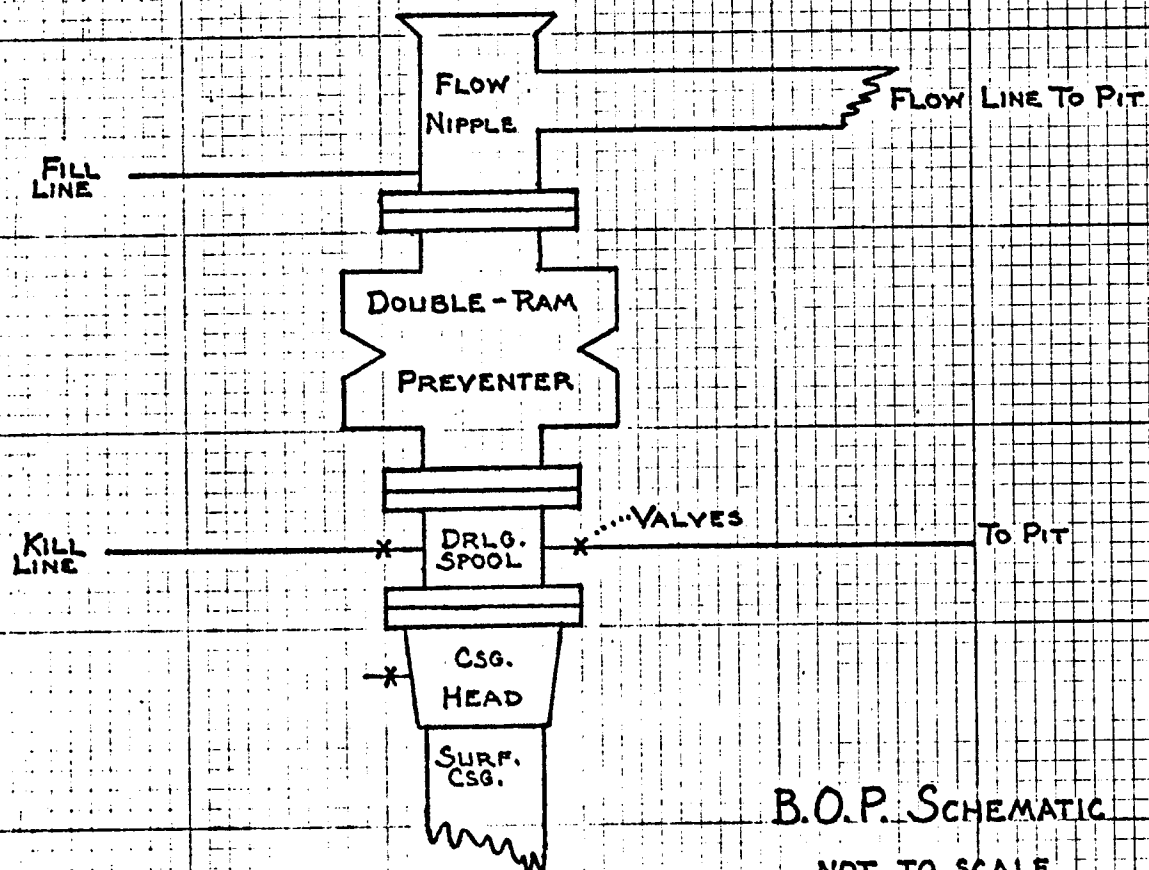


QUESTA PETROLEUM INC.
Multi-Point Surface Use and Operations Plan
Questa No. 17-6 Henry Basin Federal
SE/4 NW/4 Section 17, T29S, R11E, SLM
Wayne County, Utah
Exhibit "A"

WAYNE COUNTY, UTAH

QUESTA PETROLEUM INC.
Application for Permit to Drill
Questa No. 17-6 Henry Basin Federal
SE/4 NW/4 Section 17, T29S, R11E, SLM
Wayne County, Utah

Exhibit "B"



B.O.P. SCHEMATIC
NOT TO SCALE

QUESTA PETROLEUM INC.

Questa No. 17-6 Henry Basin Federal
SE/4 NW/4 Section 17, T29S, R11E, SLM
Wayne County, Utah

Multi-Point Surface Use and Operations Plan

1. Existing Roads

The attached map marked Exhibit "A" shows the proposed exploratory well location in the SE/4 NW/4 Section 17, T29S, R11E, as being approximately seven miles south southwest of Hanksville, Utah. The map also shows the proposed route from Hanksville to the proposed access turnoff, a distance of approximately 6 1/2 miles from Hanksville, and located in the SE/4 of Section 17, T29S, R11E. The proposed access road is colored in red on the attached map and takes off from an existing dirt road. The length of the access road is approximately 3/4 mile. All existing county roads and jeep trails in the immediate 3-mile area as shown on Exhibit "A" are graded or ungraded with occasional gravel surfacing. It is not planned to improve or maintain any existing roads unless washouts or heavy rains so require.

2. Planned Access Road

The attached map shows the proposed access road in red. The proposed access road will be approximately three-fourths mile in length. Width of the proposed access road is sixteen feet. No fences will be cut, and no gates or cattle guards are required.

3. Location of Existing Wells

The only existing well, abandoned or otherwise, within a two-mile radius of the proposed exploratory well is the abandoned Questa No. 22-6 well located in the SE/4 NW/4 Section 22, T29S, R11E, approximately two miles southeast of the proposed location.

4. Location of Surface Production Facilities

In the event production is established, surface producing facilities will be constructed on the drill site as shown on the attached plat marked Exhibit "B."

5. Location and Type of Water Supply

No water wells are planned. Water will be hauled from Hanksville by truck.

6. Source of Construction Materials

No construction materials are believed needed for the drilling of the proposed well.

7. Method of Handling Waste Disposal

All cuttings, garbage, salts, chemical, and sewage shall be disposed of in a separate burn pit constructed for that purpose. All produced water and/or drilling fluid recovered during testing operations will be allowed to evaporate in temporary fence enclosure prior to fill and leveling.

8. Ancillary Facilities

No ancillary facilities are planned.

9. Well Site Layout

Attached herewith please find plat of the proposed drill pad marked Exhibit "C." No cuts or fills other than the normal leveling of the pad are anticipated. The plat shows the location of mud tanks, pits (reserve, burn, trash), pipe racks, access road, turnaround access, parking areas, living facilities, soil material stockpiles, and rig orientation.

10. Plans for Restoration of the Surface

It is planned to restore the access road and pad area, assuming a dry hole, as nearly as possible to its former state immediately upon completion of the well. Following restoration to approximate former land configuration, pad and access road will be re-seeded.

11. Other Information

The proposed access road crosses vegetation types consisting of sand sagebrush association within the northern desert shrub group and salt desert shrub. The topography is semi-rugged as a result of north-northeast arroyo incision draining north-northeastward across pediment gravels and gently westward dipping Morrison formation sand-shale and siltstones.

The surface at the well location and the access road is owned by the Federal government and is utilized for grazing.

QUESTA PETROLEUM INC.
Questa No. 17-6 Henry Basin Federal
Multi-Point Surface Use and Operations Plan
Page 3

A detailed surface investigation has indicated that no dwellings, archaeological, historical, or cultural sites exist within a three-mile radius of the proposed access road and pad location.

The drill site, which is in desert country, is in a low environmental risk area. The total effect of drilling and producing this and other wells in this area would be very minimal.

12. Field Representative

Frank D. Gorham, Jr., Post Office Box 451, Albuquerque, New Mexico 87103, phone 505-843-6149, is responsible for assuring compliance with the operations plan.

13. Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Questa Petroleum Inc. and its contractors and subcontractors in conformity with the plan and the terms and conditions under which it is approved.

Date:



Frank D. Gorham, Jr., President

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE
(Other instructions on reverse side)Form approved.
Budget Bureau No. 42-R1424.5. LEASE DESIGNATION AND SERIAL NO.
U 27149 Federal Lease

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Wildcat		7. UNIT AGREEMENT NAME -----	
2. NAME OF OPERATOR QUESTA PETROLEUM INC.		8. FARM OR LEASE NAME Henry Basin Federal	
3. ADDRESS OF OPERATOR Post Office Box 451, Albuquerque, New Mexico 87103		9. WELL NO. No. 17-6	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1980' FNL & 1890' FWL Sec. 17, T29S, R11E Wayne Co., Utah		10. FIELD AND POOL, OR WILDCAT Wildcat	
14. PERMIT NO.		15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4700 ungraded ground	12. COUNTY OR PARISH Wayne
			13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐☒

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Questa Petroleum Inc. respectfully requests a 90-day extension to April 1, 1978, of its approved notice of intent to drill the captioned well (approval dated December 8, 1977).

APPROVED BY THE DIVISION OF
OIL, GAS, AND MININGDATE: March 10, 1978BY: P. L. Inscull

18. I hereby certify that the foregoing is true and correct

SIGNED Frank D. Gorham, Jr.TITLE PresidentDATE March 6, 1978

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

DATE NOV 18 77

☒ MAJOR IMPACT

Construction	Pollution	Drilling Production	Transport Operations	Accidents	Others
Roads, bridges, airports					
Transmission lines, pipelines					
Dams & impoundments					
Others (pump stations, compressor stations, etc.)					
Burning, noise, junk disposal					
Liquid effluent discharge					
Subsurface disposal					
Others (toxic gases, noxious gas, etc.)					
Well drilling					
Fluid removal (Prod. wells, facilities)					
Secondary Recovery					
Noise or obstruction of scenic views					
Mineral processing (ext. facilities)					
Others					
Trucks					
Pipelines					
Others					
Spills and leaks					
Operational failure					

Land Use	Forestry	NA	
	Grazing		
	Wilderness	NA	
	Agriculture	NA	
	Residential-Commercial		
	Mineral Extraction		
	Recreation	/	
	Scenic Views	/	
	Parks, Reserves, Monuments	NA	
	Historical Sites	NONE KNOWN	
Flora & Fauna	Unique Physical Features		
	Birds	/	
	Land Animals	/	
	Fish	NA	
	Endangered Species	NONE KNOWN	
	Trees, Grass, Etc.	/	
	Surface Water	/	
	Underground Water	/	
	Air Quality	/	
	Erosion	/	
Phy. Character.	Other		
	Effect On Local Economy	0	
	Safety & Health	/	
Others ca: Reg - Denver BLM - Richfield w/o prater State Oil and Gas			

LEASE U-27149DATE NOV 18, 77

WELL NO. _____

LOCATION: SE 1/4 NW 1/4, SEC. 17, T. 29S, R. 11EFIELD Wildcat COUNTY Wayne STATE utENVIRONMENTAL IMPACT ANALYSIS - ATTACHMENT 2-BI. PROPOSED ACTION

Questa Petroleum Inc PROPOSES TO DRILL AN OIL AND
 (COMPANY)
 GAS TEST WELL WITH ROTARY TOOLS TO ABOUT 4000 FT. TD. 2) TO CONSTRUCT A
 DRILL PAD 200 FT. X 300 FT. AND A RESERVE PIT 150 FT. X 100 FT.
 3) TO CONSTRUCT 16 FT. WIDE X 0.75 MILES ACCESS ROAD AND UPGRADE
 FT. WIDE X MILES ACCESS ROAD FROM AN EXISTING AND IMPROVED ROAD. TO
☐ GAS ☒ OIL PRODUCTION FACILITIES ON THE DISTURBED AREA FOR THE DRILL PAD
 AND ☐ TRUCK ☐ TRANSPORT ^{NOT KNOWN AT THIS TIME} THE PRODUCTION THROUGH A PIPELINE TO A TIE-IN IN
 SECTION _____, T. _____, R. _____

2. LOCATION AND NATURAL SETTING (EXISTING ENVIRONMENTAL SITUATION).

(1) TOPOGRAPHY: ☐ ROLLING HILLS ☐ DISSECTED TOPOGRAPHY ☒ DESERT
 OR PLAINS ☐ STEEP CANYON SIDES ☐ NARROW CANYON FLOORS ☒ DEEP DRAINAGE
 IN AREA ☐ SURFACE WATER Well site is on sand which probably overlies deep
a sandstone bedrock. Well site has slope of about 2-3% A 12'+ dry
Drainage cuts section North of well site in general NE to direction.
A typical erosional element stands to ESE of well site.

(2) VEGETATION: ☒ SAGEBRUSH ☐ PINION-JUNIPER ☐ PINE/FIR ☐ FARMLAND
 (CULTIVATED) ☒ NATIVE GRASSES ☒ OTHER Brigham tea

(3) WILDLIFE: ☐ DEER ☒ ANTELOPE ☐ ELK ☐ BEAR ☒ SMALL
MAMMAL ☒ BIRDS ☐ ENDANGERED SPECIES ☐ OTHER _____

(4) LAND USE: ☒ RECREATION ☒ LIVESTOCK GRAZING ☐ AGRICULTURE
☐ MINING ☐ INDUSTRIAL ☐ RESIDENTIAL ☐ OIL & GAS OPERATIONS

REF: BLM UMBRELLA EAR
USFS EAR
OTHER ENVIRONMENTAL ANALYSIS

3. Effects on Environment by Proposed Action (potential impact)

1) EXHAUST EMISSIONS FROM THE DRILLING RIG POWER UNITS AND SUPPORT TRAFFIC
ENGINES WOULD ADD MINOR POLLUTION TO THE ATMOSPHERE IN THE LOCAL VICINITY.

2) MINOR INDUCED AND ACCELERATED EROSION POTENTIAL DUE TO SURFACE
DISTURBANCE AND SUPPORT TRAFFIC USE.

3) MINOR VISUAL IMPACTS FOR A SHORT TERM DUE TO OPERATIONAL EQUIPMENT AND
SURFACE DISTURBANCE. - Scenic Area -

4) TEMPORARY DISTURBANCE OF WILDLIFE AND LIVESTOCK.

5) MINOR DISTRACTION FROM AESTHETICS FOR SHORT TERM.

6)

4. Alternatives to the Proposed Action

1) NOT APPROVING THE PROPOSED PERMIT -- THE OIL AND GAS LEASE GRANTS THE LESSEE EXCLUSIVE RIGHT TO DRILL FOR, MINE, EXTRACT, REMOVE AND DISPOSE OF ALL OIL AND GAS DEPOSITS.

2) DENY THE PROPOSED PERMIT AND SUGGEST AN ALTERNATE LOCATION TO MINIMIZE ENVIRONMENTAL IMPACTS. NO ALTERNATE LOCATION ON THIS LEASE WOULD JUSTIFY THIS ACTION.

3) LOCATION WAS MOVED _____ TO AVOID _____
☐ LARGE SIDEHILL CUTS ☐ NATURAL DRAINAGE ☐ OTHER _____

4) Drill pad rotated 90° to E to place pit down hill. Diet Contractor requested to have at least 1/2 volume of pit in undisturbed soil.

5) chemical toilet for human waste. (OVER)
5. Adverse Environmental Effects Which Cannot Be Avoided

1) MINOR AIR POLLUTION DUE TO EXHAUST EMISSIONS FROM RIG ENGINES AND SUPPORT TRAFFIC ENGINES.

2) MINOR INDUCED AND ACCELERATED EROSION POTENTIAL DUE TO SURFACE DISTURBANCE AND SUPPORT TRAFFIC USE.

3) MINOR AND TEMPORARY DISTURBANCE OF WILDLIFE.

4) TEMPORARY DISTURBANCE OF LIVESTOCK.

5) MINOR AND SHORT-TERM VISUAL IMPACTS.

6) _____

6. DETERMINATION:

(THIS REQUESTED ACTION ~~(DOES)~~ (DOES NOT) CONSTITUTE A MAJOR FEDERAL ACTION SIGNIFICANTLY AFFECTING THE ENVIRONMENT IN THE SENSE OF NEPA, SECTION 102(2) (C).

DATE INSPECTED NOV 18, 77

INSPECTOR EVANS

E. S. Geological Survey
U. S. GEOLOGICAL SURVEY
CONSERVATION DIVISION - OIL & GAS OPERATIONS
SALT LAKE CITY DISTRICT

6) BLM wishes to be notified before dirt work begins.
ROAD REROUTED TO AVOID SANDY AREA.

7) Pad cuts & fills approx 3'-4'.

8) Archaeological Survey required.

RECEIVED
SALT LAKE CITY, UTAH
JUL 23 1977

JUL 23 1977

SALT LAKE CITY, UTAH

U.S. GEOLOGICAL SURVEY, CONSERVATION DIVISION

FROM: DISTRICT GEOLOGIST, SALT LAKE CITY, UTAH

TO: DISTRICT ENGINEER, SALT LAKE CITY, UTAH

Well	Location	Lease No.
Questa Petroleum Inc. #17-6	1980' FNL, 1890' FWL, S17, T29S R11E, SLM, WAYNE Co, Utah, GRAEL 4700' lot.	U-27149
<p>1. Stratigraphy and Potential Oil and Gas Horizons. <i>Surface rock of the area is the Salt Wash Sandstone a member of the Morrison Formation. It is a uranium bearing sandstone & mudstone. Questa Pet. well - 22-6, S. 22 same trap, Summitville - surf., Curtis - 120', Entrada - 240', Carmel - 840', Navajo - 1247', Kayenta - 1760', Wingate - 2132', Chinle - 2480', Mosaback - 2680', Monitor Butte - 2740', Moenkapi - 2790', Torrey - 3050', Sinbad - 3222', Kaibab - 3270', White Rim - 3320'.</i></p> <p>2. Fresh Water Sands.</p> <p><i>WRD report on page 2.</i></p> <p>3. Other Mineral Bearing Formations. (Coal, Oil Shale, Potash, Etc.) <i>none.</i></p> <p>4. Possible Lost Circulation Zones. <i>unknown.</i></p> <p>5. Other Horizons Which May Need Special Mud, Casing, or Cementing Programs. <i>unknown.</i></p> <p>6. Possible Abnormal Pressure Zones and Temperature Gradients. <i>unknown.</i></p> <p>7. Competency of Beds at Proposed Casing Setting Points. <i>Probably competent.</i></p> <p>8. Additional Logs or Samples Needed. <i>none.</i></p> <p>9. References and Remarks <i>Remote from K.S.S.</i></p>		
Date: 10-12-77		Signed: <i>emp</i>

State Engineer

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPL
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.
U 27149 Federal lease

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER Wildcat

2. NAME OF OPERATOR
Questa Petroleum Inc.

3. ADDRESS OF OPERATOR
P. O. Box 451, Albuquerque, New Mexico 87103

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface 1980' FNL & '890' FWL Section 17, T29S, R11E, SLM Wayne Co., Utah

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
4700 UGG

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Henry Basin Federal

9. WELL NO.

No. 17-6

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Section 17
T29S, R11E, SLM

12. COUNTY OR PARISH

Wayne

13. STATE

Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Spudded @ 5 p.m. March 16, 1978.

Set 9 5/8" 36# casing @ 243.8'. Cemented to surface w/250 sax 3% CaCl.
WOC 20 hrs.

18. I hereby certify that the foregoing is true and correct

SIGNED Patricia M. Dade TITLE Secretary

DATE March 20, 1978

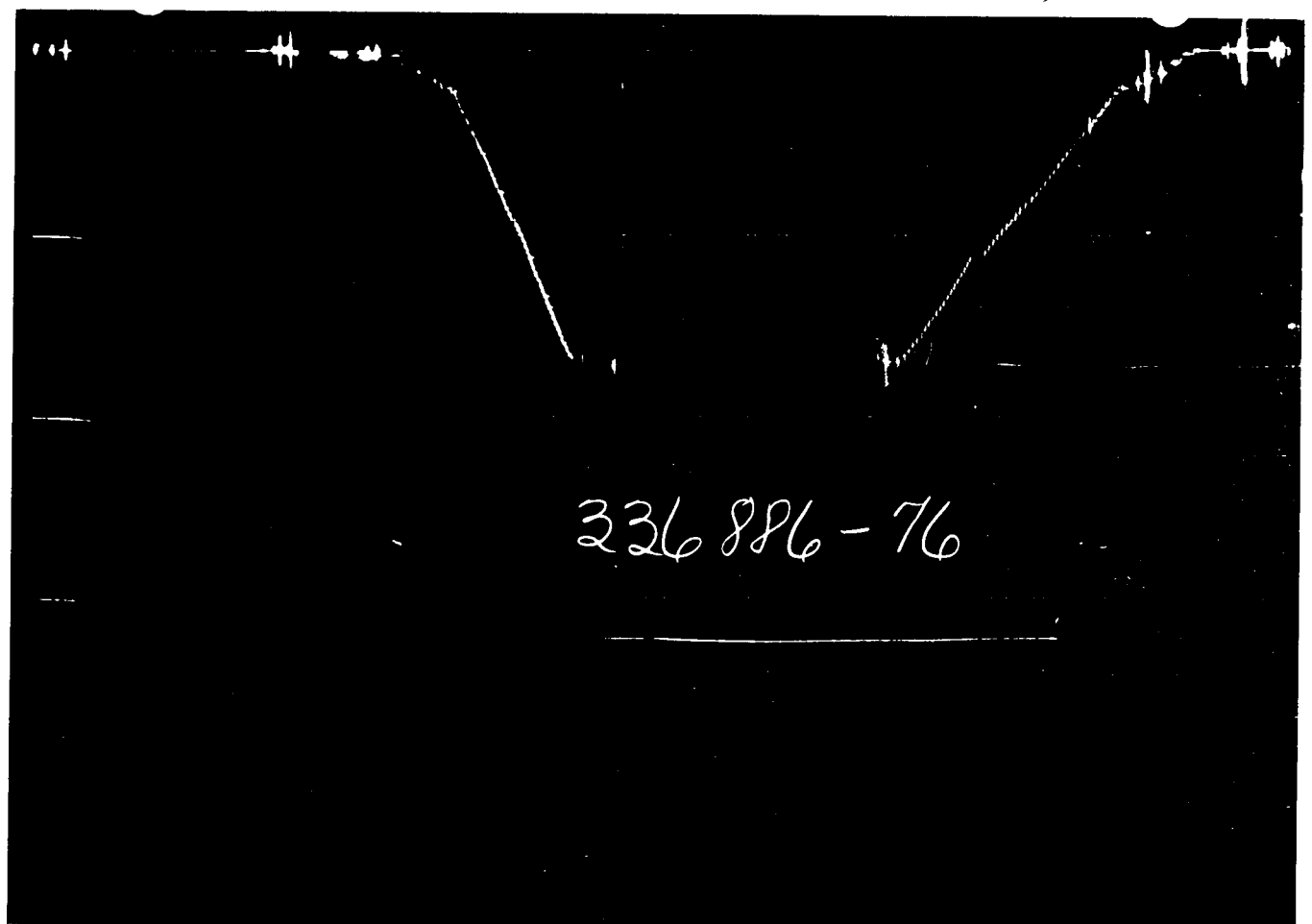
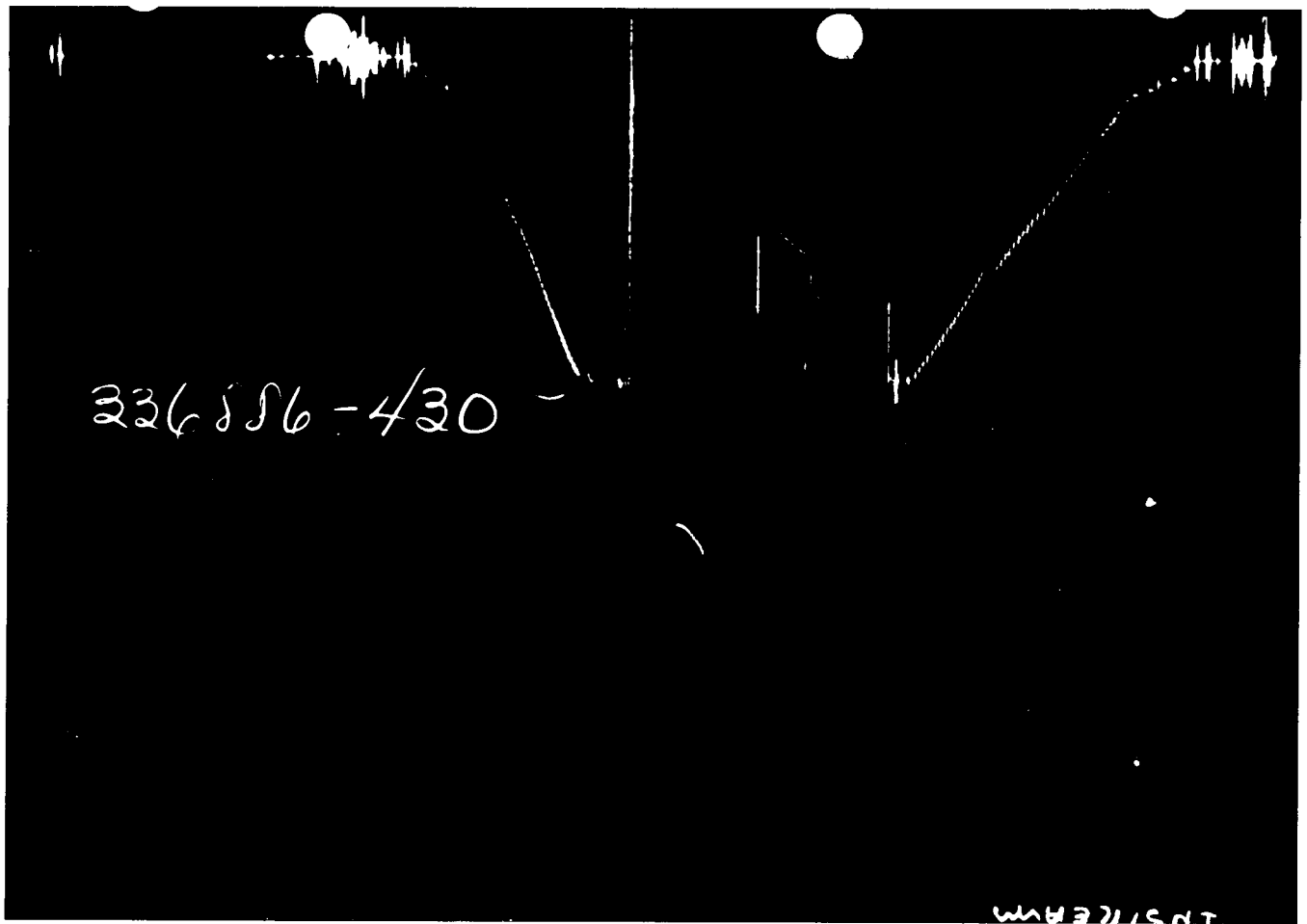
(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

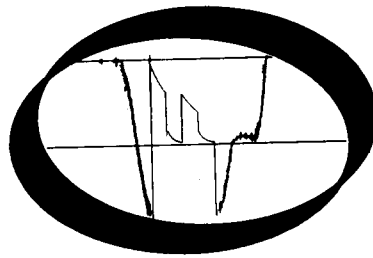
*See Instructions on Reverse Side



Each Horizontal Line Equal to 1000 p.s.i.

Formation Testing Service Report

8



HALLIBURTON SERVICES
DUNCAN, OKLAHOMA

Gauge No. 430				Depth 3559				Clock No. 4203				12 hour		Ticket No. 336886	
First Flow Period			First Closed In Pressure			Second Flow Period		Second Closed In Pressure			Third Flow Period		Third Closed In Pressure		
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log } \frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log } \frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log } \frac{t+\theta}{\theta}$	PSIG Temp. Corr.
0	.0000	79	.0000		741	.0000	754	.0000		1036					
1	.0279	288	.0269*		1173	.0342	834	.0267*		1236					
2	.0557	388	.0470		1203	.0683	884	.0467		1252					
3	.0836	483	.0672		1223	.1025	932	.0667		1261					
4	.1114	555	.0873		1235	.1366	970	.0868		1268					
5	.1394	628	.1075		1245	.1708	1005	.1068		1274					
6	.1671	695	.1276		1255	.2050	1036	.1268		1278					
7	.1950	741	.1478		1261			.1468		1282					
8			.1679		1268			.1668		1285					
9			.1881		1273			.1869		1289					
10			.2082		1277			.2069		1290					
11			.2284		1281			.2269		1293					
12			.2485		1284			.2469		1294					
13			.2687		1286			.2669		1296					
14			.2888		1289			.2870		1297					
15			.3090		1292			.3070		1298					

Gauge No. 76				Depth 3623'				Clock No. 2418				12 hour	
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log } \frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log } \frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	
0	.0000	131	.0000		772	.0000	780	.0000		1060			
1	.0271	330	.0266*		1195	.0337	863	.0265*		1259			
2	.0543	425	.0466		1226	.0673	907	.0464		1273			
3	.0814	518	.0665		1245	.1010	952	.0663		1285			
4	.1086	590	.0865		1260	.1346	992	.0862		1291			
5	.1357	657	.1064		1270	.1683	1028	.1061		1296			
6	.1628	727	.1264		1278	.2020	1060	.1260		1301			
7	.1900	772	.1463		1285			.1459		1305			
8			.1663		1291			.1658		1307			
9			.1862		1295			.1856		1310			
10			.2062		1299			.2055		1313			
11			.2261		1303			.2254		1314			
12			.2461		1307			.2452		1316			
13			.2660		1310			.2652		1319			
14			.2860		1312			.2851		1320			
15			.3060		1313			.3050		1320			

Reading Interval 4 3 5 3 Minutes

REMARKS: * INTERVAL = 4 MINUTES

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	5 7/8"	3.00"	.98'	
Reversing Sub				
Water Cushion Valve				
Drill Pipe	4.00"	3.476"	3102'	
Drill Collars	6.25"	2.25"	439'	
Handling Sub & Choke Assembly	5 7/8"	2 7/8"	.95'	
Dual CIP Valve				
Dual CIP Sampler	5.00"	.87"	6.70'	3552'
Hydro-Spring Tester	5.00"	.75"	5.00'	3557'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5.00"	3.06"	4.00'	3559'
Hydraulic Jar	5.00"	1.75"	5.00'	
VR Safety Joint	5 .00"	1.00"	3.00'	
Pressure Equalizing Crossover				
Packer Assembly	7.75"	1.53"	5.75'	3570'
Distributor				
Packer Assembly	7.75"	1.53"	5.75'	3576'
Flush Joint Anchor X. OVER	6.00"	2 1/8"	1.17'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars	6.25"	2 7/8"	31.61'	
Anchor Pipe Safety Joint X. OVER	5.75"	2.25"	1.01'	
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor	5.75"	2.87"	10'	
Blanked-Off B.T. Running Case	5.75"	2.44"	4'	3623'
Total Depth				3626'

Route to Pat

P.

March 30, 1978

MEMO TO FILE:

Re: Questa Petroleum
Well No. Henery Basin Fed. #17-6
Sec. 17, T. 29S., R. 11E.
Wayne County, Utah

On March 30, 1976 verbal approval to plug this well was made by Brian Buck to Mr. Frank Gorham. The particulars are:

8 3/4" hole to Total Deph
246' of 9 5/8" casing

FORMATION	DEPTH	PLUGS
Morrison	Surface	30 sks. from casing shoe up
Entrada	660'	25 sks. 600' - 750'
Navajo	1,473'	25 sks. 1,430' - 1,510'
Wingate	2,495'	25 sks. 3,000' - 3,120'
Chinle	2,830'	40 sks. 3,500' - 3,705'
Mossback	3,070'	
Moenkopi	3,150'	
Sinbad	3,604'	
Kaibab	3,640'	
White River	3,675'	
Total Depth	3,705'	

D.S.T. 3,566 - 3,626' Sinbad
Open 1 hr., Shut In 45 min.
2,232' black sulfur water
S.I.P. 1,218'

Brian

BRIAN W. BUCK
ENGINEERING GEOLOGIST

BWB/ksw

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE

Utah

LEASE NUMBER

U 27149

LESSEE'S MONTHLY REPORT OF OPERATIONS



State Utah County Wayne Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of March, 1978,

Agent's address P. O. Box 451 Company Questa Petroleum Inc.
Albuquerque, NM 87103

Phone (505) 843-6149 Signed [Signature] Agent's title President

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
										Questa Petroleum No. 17-6 Henry Basin Federal spudded March 16, 1978. D&A March 31, 1978. TD 3705.

NOTE.—There were no runs or sales of oil; no M cu. ft. of gas sold;
no runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.
207149 Federal lease

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER Wildcat		RECEIVED APR 8 1978 MINING	5. LEASE DESIGNATION AND SERIAL NO. 207149 Federal lease
2. NAME OF OPERATOR Questa Petroleum Inc.			7. UNIT AGREEMENT NAME MINE
3. ADDRESS OF OPERATOR Post Office Box 451, Albuquerque, New Mexico 87103			8. FARM OR LEASE NAME Henry Basin Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1980' FNL & 1890' FWL Section 17, T29S, R11E Wayne Co., Utah			9. WELL NO. 17-6
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4700 UGG	10. FIELD AND POOL, OR WILDCAT Wildcat	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 17 T29S, R11E, SLM
		12. COUNTY OR PARISH Wayne	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
(Other) ☐

PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
ABANDON* ☐
CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐
FRACTURE TREATMENT ☐
SHOOTING OR ACIDIZING ☐
(Other) ☐

REPAIRING WELL ☐
ALTERING CASING ☐
ABANDONMENT* ☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Well was plugged and abandoned on March 31, 1978, as follows:

Set-plug @ 3500 - 3705 w/40 sx
3000 - 3150 w/25 sx
1430 - 1510 w/25 sx
600 - 750 w/25 sx
170 - 245 w/25 sx

A subsequent report will be filed when marker is set, pits are filled, and location is cleaned up.

18. I hereby certify that the foregoing is true and correct

SIGNED 

TITLE President

DATE April 4, 1978

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPI
(Other instructions
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.
U 27149 Federal lease

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER Wildcat		6. U.S. INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Questa Petroleum Inc.		7. U.S. AGREEMENT NAME	
3. ADDRESS OF OPERATOR Post Office Box 451, Albuquerque, New Mexico 87103		8. FARM OR LEASE NAME Henry Basin Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1980' FNL & 1890' FWL Section 17, T29S, R11E Wayne Co., Utah		9. WELL NO. No. 17-6	
14. PERMIT NO.		10. FIELD AND POOL, OR WILDCAT Wildcat	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4700 UGG		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 17 T29S, R11E, SLM	
		12. COUNTY OR PARISH Wayne	
		13. STATE Utah	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input checked="" type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)			

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other)			

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

It is intended to plug and abandon the well in the following manner as per verbal approval of Mr. Ed Guynn on March 30, 1978:

Set plug @ 3500 - 3705 w/40 sx
3000 - 3150 w/25 sx
1430 - 1510 w/25 sx
600 - 750 w/25 sx
170 - 245 w/25 sx
surface w/10 sx

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING
DATE: April 7, 1978
BY: P. H. Smith

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE President DATE April 4, 1978

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See instructions on
reverse side)Form approved,
Budget Bureau No. 42-R355.5.

6

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input checked="" type="checkbox"/>	Other		
b. TYPE OF COMPLETION:		NEW WELL <input type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other
2. NAME OF OPERATOR Questa Petroleum Inc.						5. LEASE DESIGNATION AND SERIAL NO. U 27149 Federal lease	
3. ADDRESS OF OPERATOR Post Office Box 451, Albuquerque, New Mexico 87103						6. IF INDIAN, ALLOTTEE OR TRIBE NAME -----	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1980' FNL & 1890' FWL Sec. 17, T29S, R11E, SLM At top prod. interval reported below At total depth Same						7. UNIT AGREEMENT NAME -----	
14. PERMIT NO.						DATE ISSUED	
15. DATE SPUDDED 3/16/78						16. DATE T.D. REACHED 3/30/78	
17. DATE COMPL. (Ready to prod.) D&A 3/31/78						18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 4712 KB	
20. TOTAL DEPTH, MD & TVD 3706						21. PLUG, BACK T.D., MD & TVD --	
22. IF MULTIPLE COMPL., HOW MANY*						23. INTERVALS DRILLED BY --	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* -----						25. WAS DIRECTIONAL SURVEY MADE no	
26. TYPE ELECTRIC AND OTHER LOGS RUN Dual Induction-Laterolog, Formation Density Log						27. WAS WELL CORED no	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
9 5/8"		36#		243.8'		13 3/4"	
29. LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
30. TUBING RECORD							
SIZE		DEPTH SET (MD)		PACKER SET (MD)			
31. PERFORATION RECORD (Interval, size and number)							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL.	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY	
35. LIST OF ATTACHMENTS Dual Induction-Laterolog, Formation Density Log, DST Data							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED		TITLE				DATE	
[Signature]		President				Apr. 14, 1978	

*(See Instructions and Spaces for Additional Data on Reverse Side)

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formations and/or State office. See instructions on items 22 and 24, and 26, below regarding separate completions.

should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

18. Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. For each additional interval to be separately produced, showing the additional data pertinent to such interval.

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES		38. GEOLOGIC MARKERS	
FORMATION	TOP	DESCRIPTION, CONTENTS, ETC.	NAME
			MEAS. DEPTH
			TRUE VERT. DEPTH
		DST No. 1: 3576-3626	Surface
		Init. open 30 SI 30 open 30 SE 45 min.	257
		IH 1719 FH 1719	390
		IF 13i#-7724	660
		ISI 1313#	1235
		FF 780-1060#	1470
		FSI 1320#	2110
		Rec'd 148' WCM 2084' BLK Sulphur W	2494
			2854
			3044
			3068
			3130
			3150
			3450
			3540
			3600
			3647
			3675
			3706